



POLYFON™

Sodium Naphthalene Sulfonate

PRODUCT DESCRIPTION

Polynaphthalene Sulfonate, Sodium Salt

CAS # 36290-04-7

PRODUCT DESCRIPTION

POLYFON™ is a high-performance sodium naphthalene sulfonate-based dispersant available in both powder and liquid forms. Designed specifically for use in drywall formulations, POLYFON™ functions as a superior water-reducing and flow-enhancing additive, promoting efficient slurry processing and improving board strength and surface quality. Its consistent performance and compatibility with gypsum-based systems making it an ideal choice for modern drywall manufacturing.

BENEFITS & FEATURES

- Enhances flowability and reduces water demand in gypsum slurries
- Improves board strength and surface finish
- Supports faster drying and reduced energy consumption
- Compatible with automated dosing systems (liquid form)
- Stable under a wide range of pH and processing conditions

PRODUCT SPECIFICATIONS

Parameters (units)	POLYFON™ (L)	POLYFON™ (P)
Appearance	Yellow to brown liquid	Yellow to brown powder
Solids content %	> 40	> 92
Sulfate as SO ₄ ²⁻ %	< 3.0	< 2.5
Specific Gravity at 25°C	1.20 – 1.30	-
Bulk density g/cm ³	-	0.65 - 0.85
pH	7 – 9	7-9

*(L)" Liquid ** (P)" Powder



LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.

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This document is subject to revision without notice as new data becomes available.

TECHNICAL SUPPORT
+61294103317
info@chemport.com.au

Level 9 Tower A
821 Pacific Highway
Chatswood NSW 2067
Australia



chemport.com.au

USAGE GUIDELINES

POLYFON™ is recommended for use in gypsum slurry formulations at dosages typically ranging from 0.1% to 0.5% by weight of dry gypsum. Optimal dosage should be determined through laboratory testing, depending on desired performance, gypsum type, and plant conditions. Both liquid and powder forms are suitable for direct incorporation during mixing; the liquid grade can be metered in-line for high-volume operations.

PACKAGING

Powder is available in 25 kg bags and 1 MT bulk bags. Liquid available in 1200 kg totes or in bulk.

STORAGE

Product should be stored in a dry place away from direct sunlight in sealed, original packaging.

SAFETY

Please consult the Material Safety Data Sheet for additional information on safety, handling and storage before using this product.